PAIO



Attorney Docket No.: 19916-003810 S • 007 0 1 2007 Client Ref. No.:

Under the Paperwork Reduction Act of 1995, no pers

As the below named inventor(s), I/we declare that:

PTO/SB/01A (10-00)

Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE to respond to a collection of information unless it displays a valid OMB control number.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

This declaration is dir	00.00 .0.			
		The attached application	ı, or	
	\boxtimes	Application No. 09/882,	<u>193,</u> filed on <u>J</u>	une 13, 2001,
		as amended on	(if applicab	le);
I/we believe that I/we for which a patent is s		ne original and first inven	tor(s) of the s	ubject matter which is claimed and
		erstand the contents of endment specifically refe		entified application, including the
known to me/us to be which became availa	material able betw	to patentability as define	d in 37 CFR 1 he prior appli	d Trademark Office all information .56, including material information cation and the National or PCT able; and
information and beliet knowledge that willful	f are beli false sta	eved to be true, and furt atements and the like are	her that these punishable	all statements made herein on e statements were made with the by fine or imprisonment, or both, on or any patent issuing thereon.
FULL NAME OF INVEN	NTOR(S)			
Inventor one Step	hen Alex	ander Empedocles	Date:	8/3/10/
Inventor one Step Signature:	ohen Alex	ander Empedocles	Date: Citizen of:	
	\$ -			
Signature:	\$ -	atson	Citizen of:Date:	United States
Signature:Andr Signature:	rew R. Wa	atson	Citizen of: Date:Citizen of:	United States
Signature: Inventor two Andr Signature: Inventor three Vinc	rew R. Wa	atson	Citizen of: Date:Citizen of:Date:Date:	United States
Signature: Inventor two Andr Signature: Inventor three Vinc Signature:	e Phillips	atson	Citizen of: Date: Citizen of: Date: Citizen of:	United States United Kingdom
Signature: Inventor two Andr Signature: Inventor three Vinc Signature:	e Phillips	atson	Citizen of: Date:Date:Date:Date:Date:Date:	United States United Kingdom

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Attorney Docket No.: 19910-003810US Client Ref. No.:

PTO/SB/01A (10-00)

Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
to a collection of information unless it displays a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no person

Additional inventors are being named on _

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

As the below named inventor(s), I/we declare that:			
This declaration is directed to:			
	The attached application	ı, or	
	Application No. 09/882,1	93, filed on <u>June 13, 2001</u> ,	
	as amended on	(if applicable);	
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;			
I/we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;			
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and			
All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.			
FULL NAME OF INVENTOR(S	S)		
Inventor one Stephen Ale	exander Empedocles	Date:	
Signature:		Citizen of: United States	
Inventor twoAndrew R. \	Watson,	Date: 9-12-0(
Signature:	NOT	Citizen of: United Kingdom	
Inventor threeVince Philli	ps ,	Date: 9-12-01	
Signature:	Nul)	Citizen of: United States	
Inventor fourEdith Wong	İ	_Date:	
Signature:	~ wo_e	Citizen of: United States	
)		

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

additional form(s) attached hereto.

Attorney Docket No.: 19916-003810US • 007 0 1 2001 Client Ref. No.:

As the below named inventor(s), I/we declare that:

PTO/SB/01A (10-00)

Client Ref. No.:

Approved for use through 10/31/2002. OMB 0651-0032

Under the Paperwork Reduction Act of 1995, no person by required to regress to a collection of information unless it displays a valid OMB control number.

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

This declaration is direct	ted to:			
] The	attached applica	ation, or	
	⊠ App	lication No. <u>09/8</u> 8	82,193, filed on <u>J</u>	une 13, 2001,
·		as amended on _	(if applicat	ole);
I/we believe that I/we ar for which a patent is sou	n/are the ori ught;	ginal and first inv	ventor(s) of the s	ubject matter which is claimed and
I/we have reviewed an claims, as amended by				lentified application, including the ;
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application, if applicable; and				
information and belief a knowledge that willful fa	re believed alse stateme	to be true, and notes and the like	further that these are punishable	all statements made herein on e statements were made with the by fine or imprisonment, or both, on or any patent issuing thereon.
under 10 0.3.0. 1001, a	, , , , , , , , , , , , , , , , , , ,		., or are approach	on on any patentiocally diolection
FULL NAME OF INVENT			y or the applicati	or or any patericles and a color
	OR(S)			
FULL NAME OF INVENT	OR(S)		Date:	
FULL NAME OF INVENT Inventor oneStephe	OR(S) en Alexande	· Empedocles	Date: Citizen of:	
FULL NAME OF INVENT Inventor oneStephe Signature:	OR(S) en Alexande	· Empedocles	Date: Citizen of: Date:	United States
FULL NAME OF INVENT Inventor one Stephe Signature: Inventor two Andrew	OR(S) en Alexande v R. Watson	· Empedocles	Date: Citizen of: Date:	United States
FULL NAME OF INVENT Inventor one Stephe Signature: Inventor two Andrew Signature:	OR(S) en Alexande / R. Watson Phillips	· Empedocles	Date:Date:Date:Date:Date:Date:Date:Date:Date:Date:Date:Date:	United States
FULL NAME OF INVENT Inventor one Stephe Signature: Inventor two Andrew Signature: Inventor three Vince I	OR(S) en Alexande	· Empedocles	Date:Date:Date:Date:Date:Date:Date:Date:Date:Date:Date:Date:	United States United Kingdom
FULL NAME OF INVENT Inventor one Stephe Signature: Inventor two Andrew Signature: Inventor three Vince F Signature: Inventor four Edith V	OR(S) en Alexande VR. Watson Phillips Vong	· Empedocles	Date:	United States United Kingdom

Burden Hour Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the PTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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	10		
Please type a plus sign (+) inside this box	1	lä n	PTO/SB/81 (02-01)
	SE OCT D 1 SOU	LS Petent and Tra	Inproved for use through 10/31/2002 OMB 0651-0035
Under the Paperwork Reduction Act of 1995, no persons are			ademark Office; U.S. DEPARTMENT OF COMMERCE nation unless it displays a valid OMB control number.
	Application N	prinber	09/882,193
	Filing Date		June 13, 2001 Empedocles, Stephen Alexander
POWER OF ATTORNEY OR	First Named Inventor		SINGLE TARGET COUNTING ASSAYS
AUTHORIZATION OF AGENT	Title		USING SEMICONDUCTOR NANOCRYSTALS
	Group Art Uni	<u>t</u>	1651
	Examiner Nan	10	Not Yet Assigned
	Attorney Dock	et Number	19916-003810US
I hereby appoint:			
☑ Practitioners at Customer Number 2035	50		Place Customer Number Bar Code
OR			Label here
Practitioner(s) named below:			
Name		Registr	ation Number
as my/our attorney(s) or agent(s) to prosecute the			to transact all
business in the United States Patent and Tradem	nark Office connect	ed therewith.	
Please change the correspondence address for t	the above-identified	application to:	
☐ The above-mentioned Customer Number.			
OR ☐ Practitioners at Customer Number			>
Practitioners at Customer Number			
☐ Firm or			
Individual Name Address			
City	State	CA	ZIP
Country			
Telephone	Fax	-1	
I am the:	Tax		
☐ Applicant/Inventor.			
Assignee of record of the entire interest. So	aa 97 OED 9 74		
Statement under 37 CFR 3.73(b) is enclosed		6).	
	RE of Applicant or		ecord
Name Kermeth Bargasky, Ph. D. Vice Pye	esident and Intellect	ual Property Co	unsel
Signature ////			
Date 12 Sep 701			
NOTE: Signatures of all the inventors or assign			st or their representative(s) are required.
Submit multiple forms if more than one signatur *Total of forms are submitted.			
படர் பன் பட்டாமாக are submitted.			

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any Comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231. SF 1260091 v1

PTO/SB/96 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
persons are required to respond to a collection of information unless it displays a valid OMB control number.

Attorney Docket No. 19916-003800 Under the Pap

STATEMENT UNDER 37 CFR 3.73(b)
Applicant/Patent Owner: Stephen Alexander Empedocles, et al.
Application No./Patent No.: 09/882,193 Filed/Issue Date: June 13, 2001
Entitled: SINGLE TARGET COUNTING ASSAYS USING SEMICONDUCTOR NANOCRYSTALS
Quantum Dot Corporation , a California corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is:
1. the assignee of the entire right, title, and interest; or
2. an assignee of an undivided part interest
in the patent application/patent identified above by virtue of either:
A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
OR
B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:
To: The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
2. From: To :
The document was recorded in the United States Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
3. From: To :
The document was recorded in the United States Patent and Trademark Office at
Reel, Frame, or for which a copy thereof is attached.
☐ Additional documents in the chain of title are listed on a supplemental sheet.
☐ Copies of assignments or other documents in the chain of title are attached.
[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]
The undersigned (whose title is supplied below) is empowered to sign this statement or behalf of the assignee.
12 Sea de luth In
Date Signature
Kenneth Barovsky, Ph.D.
Typed or printed name
Vice President and Intellectual Property Counsel
Title

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Attorney Docket No.: 19916-003810US Client Reference No.: 0009

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Stephen Alexander Empedocles, of 2507 Mardell Way, Mountain View, CA 94043; Andrew R. Watson, of 1 Spring Lane, Belmont, CA 94002; Vince Phillips, of 863 Lewis Avenue, Sunnyvale, CA 94086; Edith Wong, of 22 Voterra Court, Danville, CA 94526; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

SINGLE TARGET COUNTING ASSAYS USING

SEMICONDUCTOR NANOCRYSTALS

Date(s) of execution of Declaration:

Filing Date:

June 13, 2001

Application No.:

09/882,193; and

WHEREAS, Quantum Dot Corporation, a corporation of the state of California, located at 26118 Research Road, Hayward, CA, 94545, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

EX4161T to 3-73 (6)

Page 2	381008	
IN TESTIMO	ONY WHEREOF,	Assignors have signed their names on the dates indicated.
Dated:		
		Stephen Alexander Empedocles
STATE OF CALIFORNIA)) ss.	
COUNTY OF)	
basis of satisfactory evidence) acknowledged to me that he/sl	Alexander Empedon to be the person volume the executed the same content in the same co	before me,
WITNESS my hand and offici	ial seal.	
		NOTARY PUBLIC
My Commission Expires:	<u> </u>	Andrew R. Watson
STATE OF CALIFORNIA COUNTY OF)) ss.)	
satisfactory evidence) to be the acknowledged to me that he/sl signature on the instrument the instrument.	R. Watson, personate person whose nate the executed the same person, or the en	neefore me,, ally known to me (or proved to me on the basis of time is subscribed to the within instrument, and time in his/her authorized capacity, and that by his/her tity upon behalf of which the person acted, executed the
WITNESS my hand and offici	iai seal.	
		NOTARY PUBLIC
My Commission Expires:		

Assignment

Assignment Attorney Docket No.: 019916-003810US
Page 3
Dated: 8/31/0/ Jewent/hill.
Vince Phillips
STATE OF CALIFORNIA) ss.
COUNTY OF)
personally appeared Vince Phillips, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
DONIELE M. EQUITE Commission # 12:00:21 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Clara County My Comm. Exites 14 (2), 12:20 Notary Public California Santa Cal
Dated:
Edith Wong
STATE OF CALIFORNIA)
COUNTY OF) ss.
On, before me,
personally appeared <u>Edith Wong</u> , personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal.
NOTARY PUBLIC
My Commission Expires:

Attorney Docket No.: 19916-003810US Client Reference No.: 0009

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Stephen Alexander Empedocles, of 2507 Mardell Way, Mountain View, CA 94043; Andrew R. Watson, of 1 Spring Lane, Belmont, CA 94002; Vince Phillips, of 863 Lewis Avenue, Sunnyvale, CA 94086; Edith Wong, of 22 Voterra Court, Danville, CA 94526; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

SINGLE TARGET COUNTING ASSAYS USING

SEMICONDUCTOR NANOCRYSTALS

Date(s) of execution of Declaration:

Filing Date:

June 13, 2001

Application No.:

09/882,193; and

WHEREAS, Quantum Dot Corporation, a corporation of the state of California, located at 26118 Research Road, Hayward, CA, 94545, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

(XhISIT To 3.73(6)

Attorney Docket No.: 019916-003810US Page 2 IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated. Dated: Stephen Alexander Empedocles STATE OF CALIFORNIA SS. COUNTY OF , before me, _ On personally appeared Stephen Alexander Empedocles, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal. NOTARY PUBLIC My Commission Expires: Dated: 9-6-01 STATE OF CALIFORNIA COUNTY OF , before me,/ personally appeared Andrew R. Watson, personally known to me for proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. my hand and official seal. LOUIS BELISO Comm. # 1307633 OTARY PUBLIC - CALIFORNIA Alameda County NOTARY PUBLIC My Comm. Expires June 16, 2005

My Commission Expires: <u>June 16</u> 2005

Assignment

Attorney Docket No.: 019916-003810US Page 3 Dated: Vince Phillips STATE OF CALIFORNIA SS. **COUNTY OF** On _, before me, _ personally appeared Vince Phillips, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal. NOTARY PUBLIC My Commission Expires: Dated: Sept 6, 2001 STATE OF CALIFORNIA SS. COUNTY OF Managla)

Ss.

On Sept. 6,200/, before me, personally appeared Edith Wong, personally known to me for proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my handiand onlight sea Comm. # 1307633 NOTARY PUBLIC - CALIFORNIA Alameda County
My Comm. Expires June 16, 2005 My Commission Expires: June 16, 2005.

Assignment

Attorney Docket No.: 19916-003810US

Client Reference No.: 0009

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Stephen Alexander Empedocles, of 2507 Mardell Way, Mountain View, CA 94043; Andrew R. Watson, of 1 Spring Lane, Belmont, CA 94002; Vince Phillips, of 863 Lewis Avenue, Sunnyvale, CA 94086; Edith Wong, of 22 Voterra Court, Danville, CA 94526; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

SINGLE TARGET COUNTING ASSAYS USING

SEMICONDUCTOR NANOCRYSTALS

Date(s) of execution of Declaration:

Filing Date:

June 13, 2001

Application No.:

09/882,193; and

WHEREAS, Quantum Dot Corporation, a corporation of the state of California, located at 26118 Research Road, Hayward, CA, 94545, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

(Xhibit 7 3.736)

	Assignment Attorney Docket No.: 019916-003810US Page 2
	IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.
	Dated: 8/31/01
	Stephen Alexander Empedocles
	STATE OF CALIFORNIA)
	COUNTY OF ALAMEDA) ss.
	On 31St August 2001, before me, RATNIKANT. R. PATEL.
	personally appeared <u>Stephen Alexander Empedocles</u> , personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
	WITNESS my hand and official seal.
	RAINIKANT R. PATEL Commission # 1303797 Notary Public - California Alameda County MXFOCO Empires Nov 1.2008: May 7-2005
•	
	Dated: Andrew R. Watson
	STATE OF CALIFORNIA)
) ss. COUNTY OF)
	personally appeared Andrew R. Watson, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
	WITNESS my hand and official seal.
	NOTARY PUBLIC
	My Commission Expires:

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Dated:	
	Vince Phillips
STATE OF CALIFORNIA)) ss.
COUNTY OF)
evidence) to be the person who that he/she executed the same is	, before me,
WITNESS my hand and officia	al seal.
	NOTARY PUBLIC
My Commission Expires:	
Dated:	Edith Wong
STATE OF CALIFORNIA COUNTY OF)) ss.)
personally appeared Edith Won evidence) to be the person who that he/she executed the same in	, before me,
WITNESS my hand and officia	ıl seal.
	NOTARY PUBLIC
My Commission Expires:	